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Progress;' Mr. W. Gowland, three lectures on 'The Art of Working Metals in Japan;' Dr. Robert Munro, two lectures on 'Lake Dwellings;' Mr. E. A. Wallis Budge, of the British Museum, two lectures on 'The Moral and Religious Literature of Ancient Egypt.' The first lecture of the Friday evening course will be by M. G. Lippmann, on 'Color Photography.'

WE learn from the London *Times* that the report of the Meteorological Council for the year ending March 31, 1895, submitted to the President and Council of the Royal Society, has just been issued as a Parliamentary paper. Of the forecasts issued at 8:30 p. m., in the year 1894-1895, the percentage of complete success was 56, of partial success 27, of partial failure 12, and of total failure 6. The average for the ten years from 1885 to 1894 was 51.2 of complete success and 30.7 of partial success. The storm warnings show a percentage of 68.5 of success and 23.5 of partial success. The warnings not justified by subsequent weather were 6 per cent. These figures show a marked improvement on those for the years from 1885 to 1893 inclusive. The hay harvest forecasts show a total percentage of 89 of complete or partial success. The Council express their regret that the experiment of exhibiting, at telegraphic stations in rural districts every afternoon, the daily weather forecasts is not to be repeated. The net expenditure of the Council in 1894-95 was £15,212 0s. 11d., as compared with £15,969, 7s. 6d. in 1893-94. The sum of £1,528 0s. 10d., was paid to the postoffice for services rendered. The income of the Council was £15,300, granted by Parliament, and £721 19s. 6d., received from various other sources.

#### UNIVERSITY AND EDUCATIONAL NEWS.

MRS. ELIZABETH MARY LUDLOW, the mother of the late Robert Center, has given his estate, valued at \$150,000, to Columbia University for the purpose of endowing the 'Robert Center Fund for Instruction of Music.'

THE Teachers' College, New York, has received from a donor whose name is at present withheld, a gift of \$250,000 to complete the present group of buildings. This will make the value

of the property on Morningside Heights, adjacent to the grounds of Columbia University, about \$1,000,000, and will add greatly to the facilities of the College and of Columbia University, to which it is affiliated.

MR. W. C. McDONALD, whose gift of \$500,000 to McGill University was reported in this journal last week has now given, in addition, \$150,000, to be used in maintaining the engineering and physics building.

THE annual report of President Dwight, of Yale University, for the year 1895, states that gifts to the University during the year have amounted to \$305,301.

THE Senate of Deans of the Catholic University of Washington has decided to establish an Institute of Technology. It is proposed to construct a special building for the purpose.

THE following instructors have been appointed in Harvard University: Charles Montague Bakewell, A. M., in philosophy; James Edwin Lough, A. M., in experimental psychology; Charles Palache, Ph. D., in mineralogy; Robert Jay Forsythe, A. B., in metallurgy and metallurgical chemistry.

BARON EÖTVÖS has been made full professor of experimental physics in the University at Buda-Pesth.

#### DISCUSSION AND CORRESPONDENCE.

##### HEREDITY AND INSTINCT (II.)\*

IN the earlier paper I argued from certain psychological truths for the position that two general principles recently urged by Romanes for the Lamarckian, or 'inherited habit,' view of the origin of instinct do not really support that doctrine. These two principles are those cited by Romanes under the phrases respectively 'co-adaptation' and 'selective value.' In the case of complex instincts these two arguments really amount to one, *i. e.*, as long as we are talking about the *origin* of instinct. And the one argument is this: that partial co-adaptations in the direction of an instinct are not of selective value; hence instinct could not have arisen by gradual

\*Conclusion of paper of same title in *SCIENCE* March 20th.